

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side		result set	
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L17</u>	('5708079' '5741853' '5223577' '6103813')[PN]	4	<u>L17</u>
<u>L16</u>	l6 and L15	112	<u>L16</u>
<u>L15</u>	l7.ab. and l7.clm.	991	<u>L15</u>
<u>L14</u>	l11 and L13	2	<u>L14</u>
<u>L13</u>	L12.ab. or l12.clm.	36013	<u>L13</u>
<u>L12</u>	filtered or filtration or fitering	362351	<u>L12</u>
<u>L11</u>	l9 and L10	71	<u>L11</u>
<u>L10</u>	filtered or filtration	362338	<u>L10</u>
<u>L9</u>	l6 and L7.ab.	202	<u>L9</u>
<u>L8</u>	l6 and L7	5371	<u>L8</u>
<u>L7</u>	abs	108967	<u>L7</u>
<u>L6</u>	latex	49241	<u>L6</u>
<u>L5</u>	atlantic filter	0	<u>L5</u>
<u>L4</u>	vibrating tunbling screening machine	0	<u>L4</u>
<u>L3</u>	vibrating cylinder screening machine	0	<u>L3</u>
<u>L2</u>	horizontal pressure leaf filter	4	<u>L2</u>
<u>L1</u>	rotary cylinder screening machine	0	<u>L1</u>

END OF SEARCH HISTORY

(FILE 'HOME' ENTERED AT 11:15:08 ON 12 NOV 2002)

FILE 'CAPLUS' ENTERED AT 11:15:23 ON 12 NOV 2002

L1	143	S	FILTRATION/TI AND REV/SO
L2	2	S	L1 AND POLYMER?
L3	60221	S	LATEX OR LATICES
L4	0	S	L1 AND L3
L5	257	S	INDUSTRIAL/TI AND FILTRATION/TI
L6	230	S	INDUSTRIAL/TI AND FILTRATION/TI NOT WASTEWATER/TI
L7	244	S	INDUSTRIAL/TI AND FILTRATION/TI NOT WASTEWATERS/TI
L8	217	S	L6 AND L7
L9	1912	S	12-22
L10	62847	S	LATEX? OR LATICE?
L11	1	S	L8 AND L10

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L1 FILE 'CAPLUS' ENTERED AT 10:27:13 ON 12 NOV 2002
1 S DE19630061/PN

L2 FILE 'DPCI' ENTERED AT 10:28:29 ON 12 NOV 2002
1 S US4064093/PN
SEL PN.G

L3 FILE 'CAPLUS' ENTERED AT 10:29:22 ON 12 NOV 2002
2 S E1-E2/PN

L4 FILE 'USPATFULL' ENTERED AT 10:30:26 ON 12 NOV 2002
2 S US6372822/PN OR US5686528/PN
L5 2 S L4 AND ?FILT?

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L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS
 AN 2002:505418 CAPLUS
 DN 137:64387
 TI Method and apparatus for producing and treating novel elastomer composites
 IN Chung, Bin; Green, Susan W.; Podobnik, Ivan Z.; Cianciolo, Joseph
 PA Cabot Corporation, USA
 SO U.S. Pat. Appl. Publ., 26 pp., Division of U. S. Ser. No. 549,051.
 CODEN: USXXCO
 DT Patent
 LA English
 IC ICM C08L001-00
 ICS C08K003-04; C08J003-20
 NCL 523351000
 CC 39-9 (Synthetic Elastomers and Natural Rubber)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002086917	A1	20020704	US 2002-51357	20020118
	ZA 2000001883	A	20001031	ZA 2000-1883	20000413
	US 6372822	B1	20020416	US 2000-549051	20000413 <--
PRAI	US 1999-129791P	P	19990416		
	US 2000-549051	A3	20000413		

AB Elastomer masterbatch is processed in a continuous compounder having multiple parallel elongate rotors axially oriented in an elongate processing chamber. Optionally, addnl. materials are compounded into the masterbatch, e.g., additives, other elastomeric compns., etc. Preferably, the masterbatch then is further processed in an open mill. Excellent control of Mooney Viscosity is achieved. In certain preferred embodiments, elastomer composites are produced by novel continuous flow methods and app. in which fluid streams of particulate filler and elastomer latex are fed to the mixing zone of a coagulum reactor to form a coagulated mixt. in semi-confined flow continuously from the mixing zone through a coagulum zone to a discharge end of the reactor. The particulate filler fluid is fed under high pressure to the mixing zone, such as to form a jet stream to entrain elastomer latex fluid sufficiently energetically to substantially completely coagulate the elastomer with the particulate filler prior to the discharge end without need of adding acid or salt soln. or other coagulation step. The coagulated elastomer and particulate filler composite is fed into the aforesaid continuous compounder for processing and control of its moisture level and Mooney Viscosity. Novel elastomer composites are produced. Such novel elastomer composites combine material properties and characteristics, such as choice of filler, elastomer, level of filler loading, moisture level, Mooney Viscosity, balance between mol. wt. and amt. of bound rubber, and macro-dispersion not previously achieved.

ST elastomer composite compounding method app

IT Carbon black, uses

RL: MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process); USES (Uses)
 (filler; method and app. for producing and treating novel elastomer composites)

IT Mixers (processing apparatus)

Mixing

(method and app. for producing and treating novel elastomer composites)

IT Natural rubber, processes

RL: PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process)

(method and app. for producing and treating novel elastomer composites)

IT 1314-13-2, Zinc oxide, uses 7631-86-9, Silica, uses

RL: MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process); USES (Uses)

(filler; method and app. for producing and treating novel elastomer composites)

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

AN 1988:455899 CAPLUS

DN 109:55899
 TI Core-shell polymers as impact modifiers for resins
 IN Berzinis, Albin Peter; Wills, William Louis
 PA Rohm and Haas Co., USA
 SO Eur. Pat. Appl., 10 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 IC ICM C08F279-02
 ICS C08L025-06
 CC 37-3 (Plastics Manufacture and Processing)
 Section cross-reference(s): 39

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 265142	A2	19880427	EP 1987-309016	19871013
	EP 265142	A3	19900307		
	EP 265142	B1	19941207		
	R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
	ES 2065322	T3	19950216	ES 1987-309016	19871013
	BR 8705520	A	19880524	BR 1987-5520	19871015
	CA 1325689	A1	19931228	CA 1987-549331	19871015
	IL 84205	A1	19910512	IL 1987-84205	19871019
	AU 8779933	A1	19880428	AU 1987-79933	19871020
	AU 606619	B2	19910214		
	ZA 8707870	A	19880629	ZA 1987-7870	19871020
	JP 63117025	A2	19880521	JP 1987-266167	19871021
	JP 2794032	B2	19980903		
	US 5686528	A	19971111	US 1993-20898	19930222 <--
PRAI	US 1986-921709		19861021		
	US 1988-268107		19881107		
	US 1990-478603		19900212		
AB	A core-shell polymer, esp. useful as an impact modifier for styrene polymers, is prep'd. which contains a rubbery core of crosslinked, conjugated diolefin polymer or copolymer with 0-50% vinyl monomer and .gtoreq.1 shell of a vinylarene polymer or copolymer, has av. particle diam. .ltoreq.250 nm, and has toluene swell index 13-45. Thus, particles having a core of butadiene-styrene copolymer and a shell of polystyrene were prep'd. and used (20%) as a modifier in Styron 489, giving a compn. having Izod notched impact strength 438 J/m.				
ST	styrene polymer impact modifier; core shell polymer impact modifier; polystyrene impact modifier; butadiene copolymer impact modifier				
IT	Rubber, butadiene-styrene, uses and miscellaneous				
	RL: USES (Uses)				
	(core-shell, impact modifiers, for styrene polymers)				
IT	Plastics, molded				
	RL: USES (Uses)				
	(polyoxyphenylene-styrene polymer blends, impact modifiers for)				
IT	Polyoxyphenylenes				
	RL: USES (Uses)				
	(styrene polymer blends, impact modifiers for)				
IT	Rubber, synthetic				
	RL: USES (Uses)				
	(butadiene-Me methacrylate-styrene, graft, core-shell, impact modifiers, for styrene polymers)				
IT	9003-07-0, Pro-fax 6323		9003-53-6, Styron 489	25034-86-0, Styron 666	
	25085-53-4, Pro-fax 6323		88161-21-1, Dylark 350		
	RL: USES (Uses)				
	(impact modifiers for, core-shell polymers as)				
IT	107080-92-2, Butadiene-methylmethacrylate-styrene graft copolymer				
	RL: USES (Uses)				
	(rubber, as impact modifier for styrene polymers)				
IT	9003-55-8				
	RL: USES (Uses)				
	(rubber, core-shell, impact modifiers, for styrene polymers)				
IT	24938-67-8				
	RL: USES (Uses)				

(styrene polymer blends, impact modifiers for)

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L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

AN 1998:79749 CAPLUS

DN 128:128912

TI Housings for garden power tools and use of polymer blends therefor
IN Naarmann, Herbert; MacKee, Graham Edmund; Pirker, Alfred; Sterzel,
Hans-Josef; Brandstetter, Franz; Von Bernstorff, Bernd-Steffen; Rosenau,
Bernhard; Endemann, Ulrich; Straube, Burkhard

PA BASF A.-G., Germany

SO Ger. Offen., 16 pp.

CODEN: GWXXBX

DT Patent

LA German

IC ICM C08L051-04

ICS C08L051-08; C08L025-02; C08L033-06; C08L033-20; C08L069-00;
A01G003-00

ICA C08F255-00; C08F283-12; C08F220-44; C08F212-08

ICI C08F265-04, C08F212-08, C08F212-12, C08F220-18, C08F220-44

CC 38-3 (Plastics Fabrication and Uses)

Section cross-reference(s): 37

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19630061	A1	19980129	DE 1996-19630061	19960725 <--
	WO 9804622	A1	19980205	WO 1997-EP4023	19970724
	W: CN, JP, KR, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 914373	A1	19990512	EP 1997-934536	19970724
	EP 914373	B1	20021002		
	R: BE, DE, ES, FR, GB, IT, NL				
PRAI	DE 1996-19630061	A	19960725		
	WO 1997-EP4023	W	19970724		
AB	Non-ABS polymer compns. for housings for power tools for gardening comprise particulate (particle size 50-500 nm) emulsion graft polymer (glass temp. <0.degree.) 25-50, amorphous or partially cryst. copolymer 50-75, polycarbonate 0-50, and particulate or fibrous filler 0-50%. The blends are more resistant to weathering than ABS, HIPS, or polyolefin resins. In an example, a Bu acrylate-tricyclodecenyl acrylate copolymer was prepd. and grafted with acrylonitrile and styrene and this graft polymer was blended with acrylonitrile-styrene copolymer to provide a molding compn.				
ST	garden power tool housing polymer blend; acrylonitrile styrene polymer blend; tricyclodecenyl acrylate polymer blend				
IT	Polymer blends RL: IMF (Industrial manufacture); NUU (Other use, unclassified); PREP (Preparation); USES (Uses) (acrylonitrile-Bu acrylate-styrene-tricyclodecenyl acrylate graft copolymer/acrylonitrile-styrene copolymer; for housings for garden power tools with improved weathering resistance)				
IT	Polycarbonates, uses RL: IMF (Industrial manufacture); NUU (Other use, unclassified); PREP (Preparation); USES (Uses) (in polymer blends for housings for garden power tools with improved weathering resistance)				
IT	Cutting tools Electric appliances Saws (polymer blends for housings for garden power tools with improved weathering resistance)				
IT	9003-54-7P, Acrylonitrile-styrene copolymer 106912-44-1P, Acrylonitrile-butyl acrylate-styrene-tricyclodecenyl acrylate graft copolymer RL: IMF (Industrial manufacture); NUU (Other use, unclassified); PREP (Preparation); USES (Uses) (in polymer blends for housings for garden power tools with improved weathering resistance)				